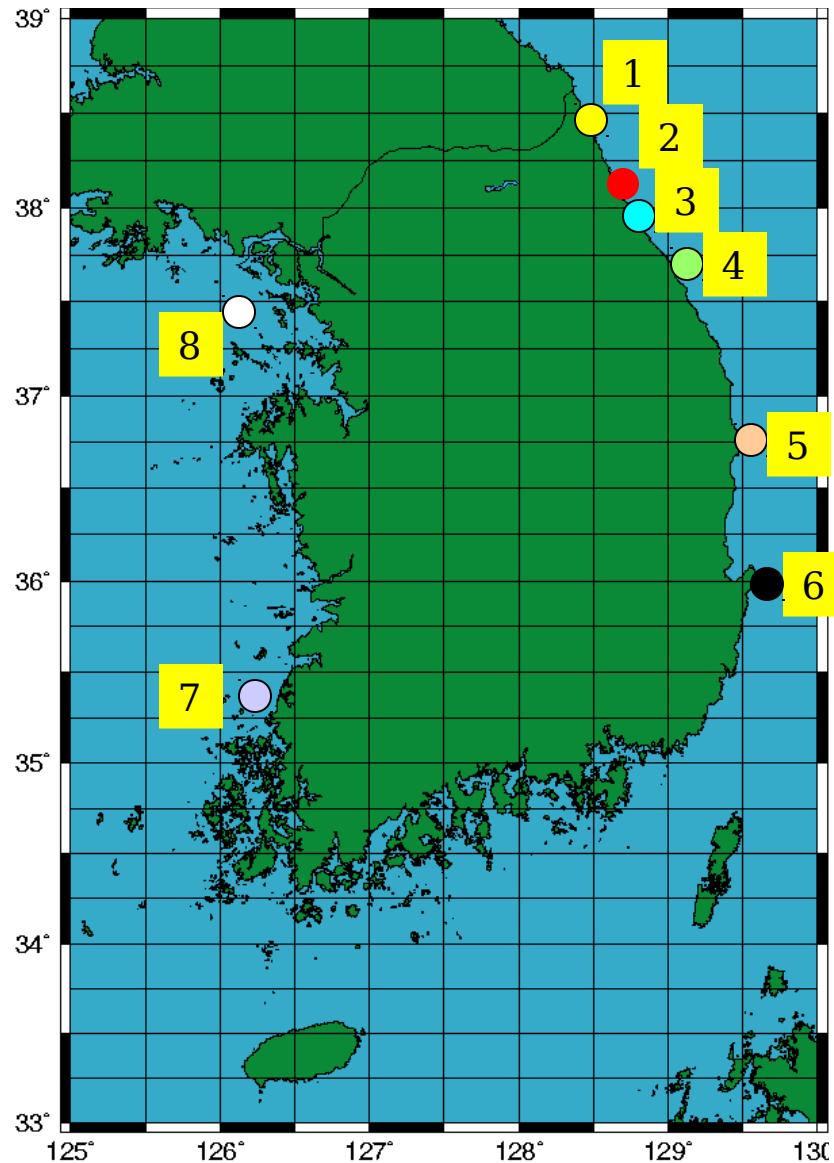
A scenic view of a coastal town, likely a small port, nestled between a large body of water and a forested hillside. The town appears to be built on a peninsula or a small island. The water is a deep blue, and the sky is overcast. In the foreground, there's a dense forest of green trees. The text is overlaid on this image.

Worldwide Small Port Survey and Analysis

Why?

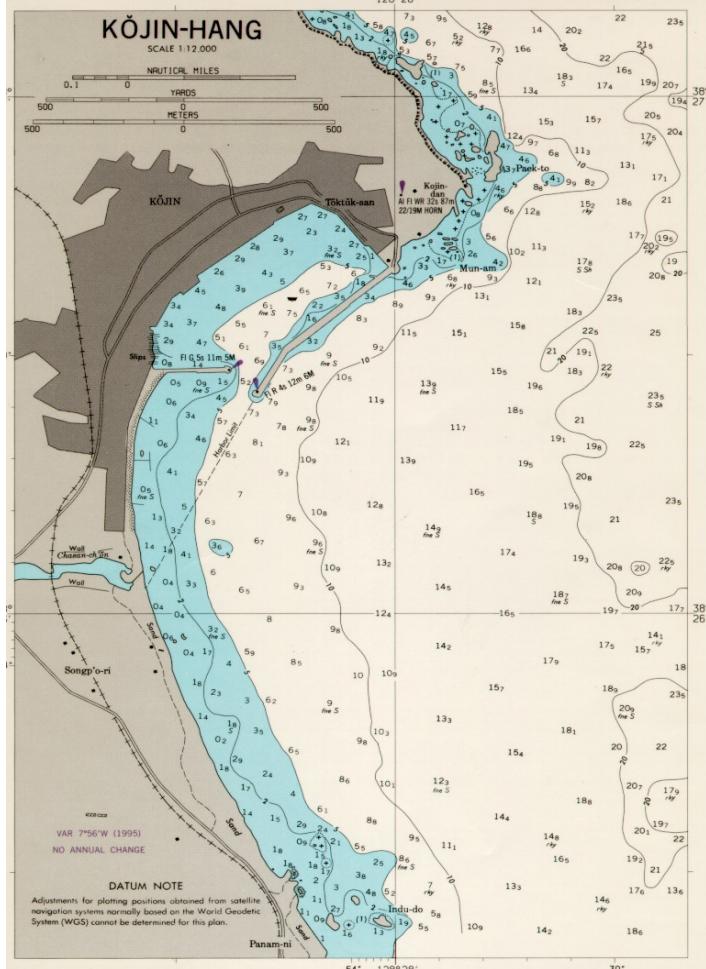
- Initially, to determine the optimum TSV characteristics
 - Limited area
 - Data collection confined to TSV accommodation
- Large and moderately size ports are already documented
 - World Port Index
 - Lloyds Port Index
 - Sailing Directions
- Complete survey of small port in all militarily significant geographical areas to support SEA-OF
 - Bathometry
 - Topography
 - Infrastructure

Korea Survey



- 1 KOJIN-HANG
- 2 SOKCH'Ô-HANG and TAEPO-HANG
- 3 CHUMUNJIN-HANG
- 4 KANGNUNG
- 5A HUP'Ô-HANG
- 5B HUP'Ô-HANG
- 6 YANGP'Ô-HANG
- 7 KYEMA-HANG
- 8 KANGHWA-DO

KOJIN-HANG



ADVANTAGES

- Good approach
- Good anchorages inside and outside harbor
- Navigational aids
- Lighted entrance
- Adequate depth and turning basin
- Protected harbor
- Breakwaters
- Quay wall
- Road system and rail access

DISADVANTAGES

- Close proximity to North Korea (10 km)
- No ramps or piers
- No apparent storage facilities
- Limited staging area
- No apparent cargo handling equipment

ESTIMATED SUPPORT REQUIREMENTS

- Build ramp(s), pier, and staging area

SURVEY REQUIREMENTS

- Staging area
- Quality rail/road network
- Survey tidal range
- Sea and wind condition forecasts

LAT: 38° 24' N
LONG: 128° 27' E

INDEX #1

HUP' O-HANG (B)



ADVANTAGES

- Protected harbor
- Good anchorages inshore and offshore
- Navigational aid
- Small jetty
- No additional piers or ramps required
- Additional unprotected sand beach NE of breakwater
- Sand beach, good gradient within harbor

DISADVANTAGES

- No rail access
- Unprotected sand beach

ESTIMATED SUPPORT REQUIREMENTS

- Inshore beach protection

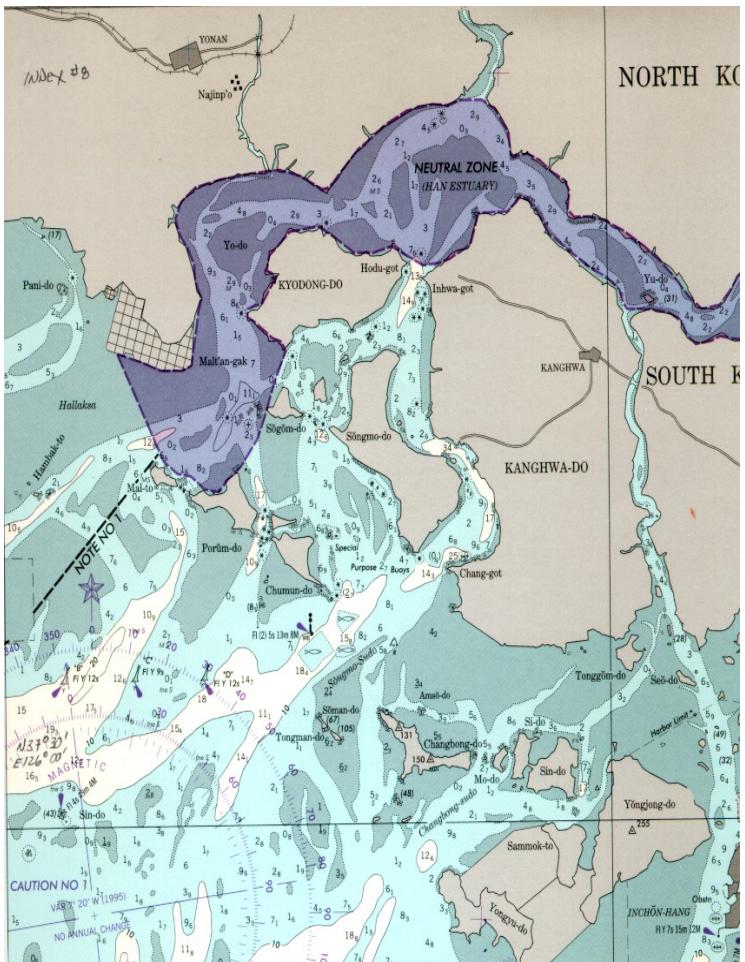
SURVEY REQUIREMENTS

- Gradient
- Survey tidal range
- Sea and wind condition forecasts

LAT: 36° 41'
N
LONG: 129° 27'

INDEX # 51

KANGHWA-DO



LAT: 37° 30'

N

LONG: 126° 00'

E

ADVANTAGES

- Near DMZ (10 km)
- Adequate harbor and turning basin
- Apparent beaching area
- Road access
- Approach navigational aids

DISADVANTAGES

- Near DMZ
- No facilities

ESTIMATED SUPPORT REQUIREMENTS

- Build ramp(s), piers, facilities, and staging area

SURVEY REQUIREMENTS

- Total survey required for suitability
- May be useable for J/LOTS only

INDEX # 8